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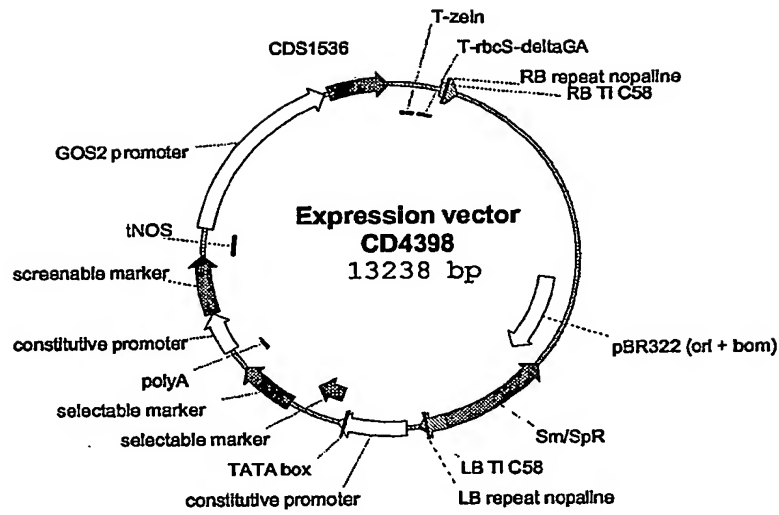


FIGURE 1

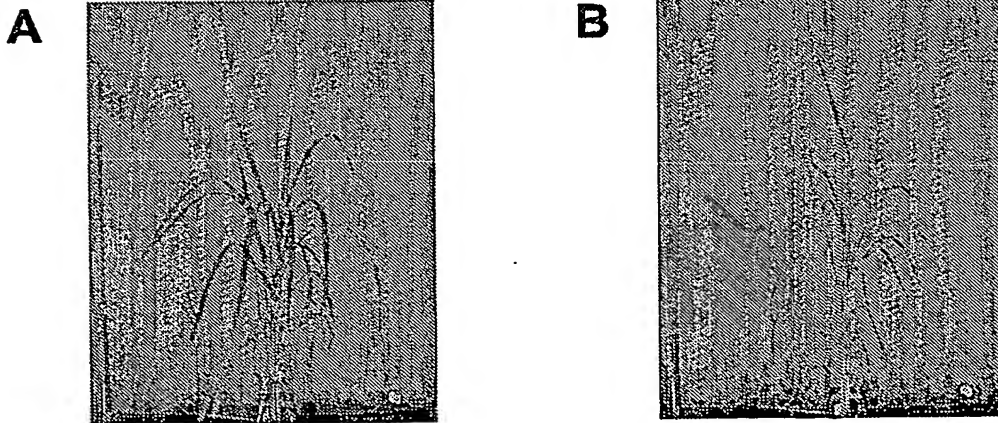


FIGURE 2

FIGURE 3

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ORTHOLOGS OF STZ in OTHER PLANT SPECIES

SEQ ID NO 10: Dg_AF119050_1 *Datisca glomerata* zinc-finger protein 1 (zfp1) mRNA, complete cds

GGCACGAGGACAAATTCTCTCTATCCTCTGAATATCTTTGGTTTGTGAACTGAGAAGCTA
TTAGATGGCTCTAGAAGCGCTCAACTCTCCGACCACAGCTACGCCGGTGTTCCTACTACGACG
ACCCAGCTTGAATTACCTTGAGCCATGGACCAAGCGTAAGCGTTCCAAGCGTACGCGCTTA
GATAGCCCCATACCGAGGAAGAGTACCTTGCTTTCTGCCTCATCATGCTCGCTCGTGCCGC
GTTGCCTCTGCAAATCGACGGGATTCTCAGTCTTCCATTGAGATTGAGCCTGAAGCAACGAC
TTCCGGCTACCAAAGTCAGTTATAAGTGCTCTGTGTGCGATAAGGCCCTTTTCGTCTTATCAGG
CTTTGGGTGGGCACAAGGCCAGCCACAGAAAGCTCGCTGGCGGCGAAGATCAATCGACTTCC
TTTGCCACCACGAATTCAGCCACCGTCACTACCACCACAGCCTCCGGAGGTGGTGGCAGGTC
TCATGAGTGTTCTATTTGCCACAAATCGTTCCCGACTGGCCAGGCCCTTGGGTGGTCACAAGC
GCTGCCACTACGAAGGCAGTATCGGCGGCAATAGTATTCACCACCACAACAATACCACCAAC
AGCGGAAGCAACGGTGGCATGAGCATGACCTCCGAAGTAGGTTCCACACACACAGTCAGCCA
CAGTCACCGTGACTTCGATCTCAACATCCCGGCCTTGCCGGAGTTTCGGTCAATTTCTTCA
TATCCGGGGATGACGAGGTCGAGAGTCTCATCCGGCCAAGAAACCCCGTATATTGATGAAA
TAAACATTTCTCAAGATCACTGAACAGGCTTTAGTTTCTTTATAGGAGGAGATTTAAAAA
AGTAGTATCTCTCTTTCTTTATCCGTAGGATAATTAATATATTTTCGTGTACATAAATTTGTA
GTTCTTTAACACACTCTGTTTCATTTTCTTGCTTTGCTCAACTTTGTATTGGTTATTTTCATT
ATGAAAATTCAATT

SEQ ID NO 11: Dg_AF119050_1 *Datisca glomerata*, STZ ortholog, protein

MALEALNSPTTATPVFHYDDPSLNYLEPWTKRKRSKRTRLDSPHTEEEYLAFCLIMLARGRV
ASANRRDSQSSIQIQPEATTSATKVSYKCSVCDKAFSSYQALGGHKASHRKLGGEDQSTSF
ATTNSATVTTTTASGGGGRSHECSICHKSFTPGQALGGHKRCHYEYSIGGNSIHNNNTNS
GSNGGMSMTSEVGSTHTVSHSHRDFDLNIPALPEFRSNFFISGDDEVESSPHPAKKPRIIMK

SEQ ID NO 12: Gm_T09602_U68763.1_GMU68763 *Glycine max* (soybean) probable zinc finger protein SCOF-1 mRNA, complete cds

AAAATTCTCACTCTCTCTCTCATCTCGAGATCATAGTATCATATTCATATCATTTCATACC
AAACACATGGCTTTGGAAGCTCTCAACTACCAACAACAACCGCTCCATCTTTTCCCTTTGA
CGACCCAACTATTCCATGGGCGAAACGAAAACGTTCAAAGCGTCTCGCGACCATCCTTCTG
AAGAAGAGTACCTCGCCCTCTGCCTCATCATGCTCGCTCGCGGCGGCACCACCACCGTCAAC
AACCGCCACGTCAAGCCCTCCGCCGCTACAGCCACAGCCACAGCCGACACCAGATCCTTCCAC
CAAGCTCAGTTACAAATGCTCCGTTTGCGACAAGAGCTTCCCTCTTACCAAGCGCTCGGTG
GACACAAGGCCAGTCACCGGAAACTCGCCGCGCGCCGCGGAAGACCAACCCCCCAGCACCACC
ACTTCCTCCGCCCGCCGCCACCAGCTCCGCCCTCCGGAGGTAAGGCCCATGAGTGCTCCATTTG
CCACAAATCCTTCCCCACCGGACAGGCCCTTGCGGGACACAAACGTTGTCACTACGAAGGTA
ACGGTAACGGAAATAACAACAACAGTAACAGCGTTGTACCGTCGCCTCGGAAGGCGTGGGC
TCCACCCACACTGTCAGTCACGGCCACCACCGCGACTTCGATCTCAACATCCCGGCCTTTCC
GGATTTTTTCGACCAAGGTCGAGAAGACGAGGTTGAGAGCCCTCACCTGTCAATGAAGAAGC
CTCGCCTCTTCGTATTCCCAAGATCGAAATCCCCCAATTTCAATGAAGTCTCGTTGAATTTTT
AGTTTATTTTTCGACTATATATTTTGGAGAATTTTGGAGAGTTACTATAATTTGATTTGTAC
ATAGTACTTGGAAGTTTTGTTGGACCGTACCGGACCCAGTCTCTGGTTGAGGTTGTACTTT
CACAACAGTGGCAGATTTGCAATTCAATTCAATTTATTTGTTTATTTTAAAAAAAAAAAAAA
AAAA

FIGURE 3 (continued)

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SEQ ID NO 13: Gm_T09602 Glycine max (soybean) probable zinc finger protein SCOF-1, STZ ortholog, protein
 MALEALNSPTTTAPSFPPFDDPTIPWAKRKRKRSRDHPSEEEYLALCLIMLARGGTTTVNNR
 HVSPFPPLQPQPQPTPDPSTKLSYKCSVCDKSFPSYQALGGHKASHRKLGAEDQPPSTTTS
 SAAATSSASGGKAHECSICHKSFPPTGQALGGHKRCHYEGNGNGNNNNNSNSVTVVASEGVGST
 HTVSHGHHRDFDLNIPAFPDFSTKVGEDEVESHPVPMKKPRLFVIPKIEIPQFQ

SEQ ID NO 14: Ms_CAB77055_Y18788.1_MS18788 Medicago sativa putative TFIIIA (or kruppel)-like zinc finger protein mRNA
 AATTCGGCAGAGAAATAACCACTTCTCTCTCAAAACCTCCTTTTGCCTTTTGCTTCTACTT
 TCACTTGCCTAACGCTAACTAACTCTTCTCGAGTGTTCTTCTTTTCATCATATGGCTATGGA
 AGCACTTAACTACCCACCACTGCTACTCCTTTTCACACCCTTTGAGGAACCAATCTGAGTT
 ATCTTGAAACACCGTGGACGAAAGGTAAACGATCAAAGCGTTCTCGCATGGATCAATCTTCA
 TGCCTGAAGAAGAGTATCTCGCTCTTTGTCTCATCATGCTTGCTCGCAGCGGTAACAACAA
 CGACAAAAGTCTGATTCGGTGGCGACGCCGCTAACCAACCGTTAAACTCAGTCACAAATGCT
 CAGTCTGCAACAAAGCTTTCTCATCTTATCAAGCCCTAGGTGGACACAAAGCCAGTCACCGG
 AAAGCTGTTATGTCCGCAACCACCGCTGAAGATCAGATCACCACCACTTCATCCGCCGTGAC
 TACCAGCTCTGCTTCCCAACGGTAAGAACAAGACTCATGAGTGTTCCATCTGTACAAATCCT
 TCCCTACTGGACAGGCTTTGGGAGGACACAAGCGTTGTCACTACGAAGGCAGCGTTGGTGCC
 GGTGCCGGTGCTGGAAGTAACGCTGTAAGTGCCTCTGAAGGAGTTGGATTGTACACAGCCA
 CCACCGTGATTTTGATCTTAACCTCCCGGCTTTTCCGGACTTTTCAAAGAAGTTTTTCGTGG
 ATGACGAGGTTTTTAGTCCTTTACCTGCTGCAAGAAGCCCTGTCTTTTCAAGCTGGAAATT
 CCTTCTCATTACTGATCAATAATAGATCCAATTTTATTGTTATTATTATTAATAATTATTAT
 CGCTTAGGGCATAAGTTATTTTCTTTTTCTTCAATTATTTTCGGATCAATTTGTTCTGTACA
 TACAAATTGGGATTGGTTTTAGAATTTAGGACGGTTGTAGACAATGGAAATTCAATTCAATT
 ATTTAATTTTGTGT

SEQ ID NO 15: Ms_CAB77055_Medicago sativa putative TFIIIA (or kruppel)-like zinc finger protein, STZ ortholog, protein
 MAMEALNSPTTATPFPFEEPNLISYLETPWTKGKRKRSRMDQSSCTEEYALCLIMLARS
 GNNNDKKS DSVATPLTTVKLSHKCSVCNKAFSSYQALGGHKASHRKAVMSATTAEDQITTS
 SAVTTSSASNGKNKTHECSICHKSFPPTGQALGGHKRCHYEGSVGAGAGAGSNAVTASEGVGL
 SHSHHRDFDLNLPAFPDFSKKFFVDDEVFSPLPAKKPCLEFKLEIPSHY

SEQ ID NO 16: Nt_AAC06243_AF053077 Nicotiana tabacum osmotic stress-induced zinc-finger protein (zfp) mRNA, complete cds
 TTTTCCCTCGAATTTGATAACTAAAGAGAATATTATGACTCTTGAAGCTTTGAAGTCACCTA
 CGGCGGCAACGCCGACTCTACCACCACGCTATGAAGATGATGATGAAATTCATAATTTGGAT
 TCTTGGGCTAAAGGAAAACGATCAAAAACGGCCCCGATTGATGCCCCACCGACTGAAGAAGA
 GTATTTAGCCCTCTGTCTCATCATGCTCGCTCGCAGCGGAACCGGAACCAAGAACCGGTTTAA
 CTGATGCTACTACTTCCCAACAACCTGCCGATAAAAAAACCGCCGAGTTGCCGCCGGTTTCA
 AAGAAAGAGGTGGCAACAGAGCAAGCAGCAATCTTACAAGTGATAGCGTGTGTGACAAGGC
 TTTTCTTCTTATCAAGCACTCGGTGGGCATAAAGCAAGTCACCGTAAACTACTACTACTG
 CTACCGCCGCTCTGATGATAACAATCCTTCAACTTCAACTTCCACTGGCGCCGTTAATATC
 TCTGCTCTTAATCCAACCTGGTTCGTTTACACGCTGTCTTATTTGCCACAAGGCTTTTCTTAC
 TGGCCAAGCTTTGGGTGGGCACAAGCGCCGCACTATGAAGGCAAACTCGGTGGTAACAGCC
 GCGACTTAGGCGGCGGCGGCGGCGGCGGTCATAGTGGAAGCGTCTTGACTACTTCAGACGGC

FIGURE 3 (continued)

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GGCGCGTCGACTCACACGCTACGTGACTTTGACCTGAACATGCCTGCTTCGCCGGAATTGCA
 ACTGGGTCTGAGTATTGATTGTGGACGGAAAAGTCAACTGTTGCCGATGGTCCAAGAGGTGG
 AAAGTCCTATGCCTGCAAAGAAACCGCGTTTATTGTTTTCGTTGGGTTGAAACTTCTTTAGG
 GGAATTGAATTGATTGTGTTTAGCCAAATTAGTAAATTGGTTCATGTGATTTTATTTTAG
 GAAAAGGAATTATTGATTGTTTTACCCGTTTATTCTTAGGGTGGTATTATGTACAGGGAGTG
 AATCATTCAATTGGTTTTACACTTTCTTAATTATATATTCTTTTTTTTTTACACATAAAAAAA
 AAAAAA

SEQ ID NO 17: Nt_AAC06243_Nicotiana tabacum osmotic stress-
 induced zinc-finger protein, STZ ortholog, protein
 MTLEALKSPTAATPTLPPRYEDDDEIHNLD SWAKGKRSKRPRIDAPPTEEYLALCLIMLAR
 SGTGTRTGLTDATTSQQPADKKTAE LPPVHKKEVATEQAEQSYKCSVCDKAFSSYQALGGHK
 ASHRKTTTTATAASDDNNPSTSTSTGAVNISALNPTGRSHVCSICHKAFPTGQALGGHKRRH
 YEGKLGGNSRDLGGGGGGHSGSVLTTS DGGASTHTLRDFDLNMPASP ELQLGLSIDCGRKS
 QLLPMVQEVESPMPPAKKPRLLFSLG

SEQ ID NO 18: Os_AF332876 Oryza sativa zinc finger
 transcription factor ZF1 mRNA, complete cds
 AATTCGGCAGCAGGCCACACAGCAACCAGCCAGCTGCCACACTAGCTTGAGGCGAGCGAGCG
 AAGCTTAGCTAGCGGATAGAACAAGTCGTCGATTGCTTGCTTTTGTGAATTGCGGTGG
 AAGCATGTCGAGCGCGTCGTCATGGAAGCGCTCCACGCCGCGGTGCTCAAGGAGGAGCAGC
 AGCAGCACAGGTTGGAGGAGGCGACGGTCGTGACGAGCAGCAGCGCCACGAGCGGGGAGGAG
 GGCGGACACCTGCCCGAGGGGTGGGCGAAGCGGAAGCGGTGCGCGCCGCGCAGCGATCGGAGGA
 GGAGAACCTCGCGCTCTGCCTCCTCATGCTCGCCCGCGGCGGCCACCACCGCTCCAGGCGC
 CGCCTCCGCTCTCGGCTTCGGCGCCCCCGCCGGCAGGTGCGGAGTTCAAGTGCTCCGCTCTGC
 GGCAAGTCCTTACGCTCCTACCAGGCGCTCGGCGGCCACAAGACGAGCCACCAGGTCAAGCT
 GCCGACTCCGCGCGCAGCTCCCGTCTTGCTCCCGCCCCCGTCCGCGCCTTGCTGCCTTCCG
 CCGAGGACCGCGAGCCAGCCACGTCATCCACCGCCGCGTCTCCGACGGCATGACCAACAGA
 GTCCACAGGTGTTCCATCTGCCAGAAGGAGTTCCCCACCGGGCAGGCGCTCGGCGGGCACAA
 GAGGAAGCACTACGACGGTGGCGTAGGCGCCGGCGCCGGCGCATCTTCAACCGAGCTCCTGG
 CCACGGTGGCCGCCGAGTCCGAGGTGGGAAGCTCCGGCAACGGCCAGTCCGCCACCCGGGCG
 TTCGACCTCAACCTCCCGGCCGTGCCGGAGTTCGTGTGGCGGCCGTGCTCCAAGGGCAAGAA
 GATGTGGGACGAGGAGGAGGAGTCCAGAGCCCCCTCGCCTTCAAGAAGCCCCGGCTTCTCA
 CCGCGTAAATTCAGCAGCTGCACGGATCCGATCCGTCAGAGTTTTTGTCTAGGGAGTGAAATT
 CAGTCGAAACACACTATTTCGTTGATTTCGTTTTGTGCCGCTATTGTTTAATTGTTCCGTGCTT
 TTGTACAGAGCAAGCGAGTGATACATAGCCATACATACAGTCATACAGATATAGGTCTAGCT
 CTTCTTGGTTCTTTGTAACTGGAAGTGTACCTGTATCTTTTACACTTTGTCTTTGACA
 GTCATATATTGTAGACCAAAAAAAAAAAAAAAAAA

SEQ ID NO 19: Os_AF332876 Oryza sativa seedling zinc finger
 transcription factor ZF1, STZ ortholog, protein
 MSSASSMEALHAAVLKEEQQHEVEEATVVTSSSATSGEEGGHLPQGWAKRKRSRRQRSEE
 NLALCLIMLARGGHRVQAPPLSASAPPPAGAEFKCSVCCKSFSSYQALGGHKTSRHKLP
 TPPAAPVLAPAPVAALLPSAEDREPATSSSTAASSDGMTNRVHRCISICQKEFPTGQALGGHKR
 KHYDGGVGAGAGASSTELLATVAAESEVGSSNGQSATRAFDLNLPAVPEFVWRPCSKGKKM
 WDEEEEVQSPLAFKKPRLLTA

FIGURE 3 (continued)

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SEQ ID NO 20: Ph_BAA05079_D26086.1 [Petunia x hybrida].
PETZFP4 zinc-finger protein gene
TTCACCTCACCAAAACAACCTTCTCTACCTCTTCTACTTGCACATTCAAATTCTTTTCACTACTA
CTTATCTCTACTAATCTTGATTTCGATTTTAGTAAATCAAACAAGAGAATCTTTTCAGTAATA
CAAACAAGAAAATTTCTCTCTATACTTGATTGAGTTTAGTAAGGCAAACAAGAAAACATATC
ATGGCACTTGAAGCATTGAATTCTCCAACACCAACACCACCATCATTCCAATTTGAGAA
CAACGGGCTTAAGTACCTTGAGAGTTGGACAAAAGGTAAAAGATCAAAAAGGCAACGCAGCA
TGGAACGACAGTGTACTGAAGAAGAGTATTTAGCACTTTGTCTTATCATGCTAGCACGTAGC
GATGGTTCTGTAAATAACTCACGGTCTCTACCACCACCACCCTACCACCATCAGTTCCAGT
AACGTCGCAAATAAACGCGACGTTATTGGAACAGAAGAATTTGTACAAGTGTTCCGTTTGTG
GTAAAGGGTTTGGGTCTTATCAAGCTTTAGGTGGACATAAAGCAAGTCACCGGAAACTTGTG
AGCATGGGAGGAGATGAACAATCTACTACTTCCACTACTACTAAACGTAACGGGAACTAGTTC
CGCTAACGTTAACGGTAACGGAAGAACTCACGAATGTTCAATTTGTCACAAGTGCTTTCCTA
CTGGACAAGCTTTAGGTGGTGCATAAAAGGTGCCACTATGACGGTGTTAACGGTAACGGTAAC
GGAAGTGTAAGTGTTGGGGTGACGTCACTGAAGGTGTGGGGTCCACTATTAGTCATCACCG
TGACTTTGACTTGAATATTTCCCGGTTGCCGGAGTTTGGCCGGGATTTGGTTCCGGCGAGG
ATGAGGTGGAGAGTCTCATCCAGCAAAGAAGTCAAGGCTATCTCTTCCACCTAAACTTGAA
TTATTCAAAGGATTATAGAGGGAATATTGATTTGTTACAGGAAGATTTATTAGGATTCACGA
ATTTTTTGTGACTAGTTTATGTAATAT

SEQ ID NO 21: Ph_BAA05079 [Petunia x hybrida] zinc-finger
protein, STZ ortholog, protein
MALEALNSPTTTTPPSFQFENGLKYLESWTKGKRSKRQSRMERQCTEEYLAALCLIMLARS
DGSVNNRSRLPPPLPPSPVPTSQINATLLEQKNLYKCSVCGKGFGSYQALGGHKASHRKL
SMGGDEQSTTSTTTNVTGTSSANVNGNGRTHCESICHKCFPTGQALGGHKRCHYDGGNGNGN
GSVSVGVTSSSEVGSTISHHRDFDLNIPALPEFWPGFSGGEDEVESPHPAKKSRLSLPPKLE
LFKGL

SEQ ID NO 22: Ta_BAA03901 Triticum aestivum gene for zinc-
finger protein WZF1, complete cds
ATGTCGTCGTCGGCCATGGAAGCGCTCCACGCCCTGATCCCGGAGCAGCACCAGCTGGACGT
TGAGGCGGCTGCGGCTGTCAGCAGCGCCACCAGCGGCGAGGAGAGCGGCCACGTGCTGCAGG
GGTGGGCCAAGAGGAAGCGATCGCGCCGCCAGCGCTCCGAGGAGGAGAACCCTCGCGCTCTGC
CTCCTCATGCTCTCGCGCGGCGGCAAGCAGCGTGTTCAGGCGCCGAGCCGGAGTCGTTTCGC
TGCGCCGGTGCTGCGGAGTTCAAGTGCTCCGTCTGCGGCAAGTCCTTCAGCTCCTACCAGG
CGCTCGGAGGCCACAAGACGAGCCACCGGGTGAAGCAGCCGTCTCCTCCCTCTGATGCCGCT
GCTGCCCCACTCGTGGCCCTCCCGGCCGTGCGCGCCATCTGCCGTCCGCCGAGCCGGCCAC
GTCGTCCACCGCCGCGTCTCCGACGGCGCGACCAACAGAGTCCACAGGTGCTCCATCTGCC
AAAAGGAGTTCCCGACTGGGCAGGCGCTCGGCGGGCACAAGAGGAAGCACTACGACGGAGGC
GTGGGCGCCGCCGCTCGTCGACCGAGCTTCTGGCCGCCGCGGCCGCGAGTCTGAGGTGGG
GAGCACC GGCAACGGGAGCTCCGCCGCCCGGCCCTTCGACCTGAACATTCCGGCCGTGCCGG
AGTTCGTGTGGAGGCCGTGCGCCAAGGGCAAGATGATGTGGGAGGACGATGAGGAGGTGCAG
AGCCCCCTCGCCTTCAAGAAGCCTCGGCTTCTCACCGCTTGA

FIGURE 3 (continued)

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SEQ ID NO 23: Ta_BAA03901_WZF1 Triticum aestivum, STZ otholog, protein
 MSSSAMEALHALIPEQHQLDVEAAA AVSSATSGEESGHVLQGWAKRKRSRRQRSEENIALC
 LLMLSRGGKQRVQAPQPEFSAAPVPAEFKCSVCGKSFSSYQALGGHKTSHRVKQPSPPSDAA
 AAPLVALPAVAAILPSAEPATSSSTAASSDGATNRVHRCSICQKEFPTGQALGGHKRKHYDGG
 VGAAASSTELLAAAAAESEVGSTGNGSSAARAFDLNIPAVPEFVWRPCAKGKMMWEDDEEVQ
 SPLAFKKPRLTA

SEQ ID NO 24: Ca AF539746 Capsicum annum zinc finger protein mRNA, complete cds
 AAAATCTTCGCTACTTACTTACATCTTCTAGAATAGTCACTAGAACCACTAACTTTATACAA
 CGGATATCGATATGGCACCTTGAAGCTTTGAATCTCCAACCTGGTACACCACTCCGCCACCG
 TTTCAATTTGAGAGCGACGGCCAACAGCTTCGATATATCGAAACTGGAGGAAGGGAAAGAG
 ATCTAAAAGGTCACGCAGCATGGAGCACCAGCCTACTGAGGAAGAATACTTAGCGCTTTGTT
 TGATCATGCTTGACGTAGCGGTGGCTCCGTTAATCATCAACGATCTCTACCACCGCCGGCT
 CCGGTGATGAAACTGCACGCGCCGTCGTATCATCGGCGGCGGAGGAGGAGAAGGAGAAGAT
 GGTGTATAAGTGTTTCGGTTTGTGGTAAGGGATTTGGGTCTTATCAAGCTTTAGGTGGACACA
 AAGCTAGTCACCGGAAACTCGTACCCGGCGGAGATGATCAGTCAACTACCTCCACAACCACT
 AACGCAACCGGAACAACAACCTCCGTTAACGGCAACGGCAACAGAAGTGGAAGGACTCACGA
 GTGTTTCGATTTGTCAAGTGTTTTCCCACTGGACAAGCTTTAGGTGGACACAAAAGGTGTC
 ACTACGACGGCGGTATCGGTAACGGAAACGCTAACAGTGGCGTTAGTGCTAGCGTTGGAGTG
 ACGTCATCGGAGGGTGTGGGGTCCACAGTCAGTCACCGGGATTTGACTTGAACATTCCGGC
 GTTGCCGGAATTCTGGCTGGGATTTGGTTCCGGCGAAGATGAGGTGGAGAGTCCACATCCGG
 CGAAGAAATCGCGGTTATGTTTGCCTCCAAAATATGAATTATTTCAACATTAATGGGAATTT
 GATTGTTAGGATTTACTATTTTGGTAGACAAAATTATACTATGTAAGTTTTAATTTTCATTG
 TGGGTGGGAGCAAAATTTTTAATTTTTTGTCTATAGACCTAGCTAGTTACTAATAGCAAAAA
 TTCAATTGATTGATTTAAAAA

SEQ ID NO 25: Ca AF539746-capsicum annum, STZ otholog, protein
 MALEALNSPTGTPTPPPFQFESDQQLRYIENWRKGRSKRSRSMEHQPTEEEEIALCLIML
 ARSGSVNHQSRSLPPPAPVMKLHAPSSSSAAEEEEKEKMYKCSVCGKGFGSYQALGGHKASH
 RKLVPGGDDQSTSTTTNATGTTTSVNGNGNRSGRTHCESICHKCFPTGQALGGHKRCHYDG
 GIGNGNANSVGSASVGVTSSEGVGSTVSHRDFDLNIPALPEFWLGFSGEDEVESPHPAKKS
 RLCLPPKYELEFQH

PARALOGS OF STZ IN ARABIDOPSIS THALIANA

SEQ ID NO 26: gi_18402298_ref_NM_112848.1 mRNA
 ACTTCACTCTCTAATTTCTCTCTCTATCTCTCACCATATTCGCGATTAAAACTCTCAAC
 TTTTCTCTCAAATTTCTGATCCTTTGATCCAACAGTTAGAAGAAGATTCATCTGATCATGGC
 CCTCGAAGCGATGAACACTCCAACCTCTTCTTTACCAGAAATCGAAACGAAAGAGATTGA
 TGAACGACGCCGTTTTTCATTGAGCCGTGGCTTAAACGCAACGCTCCAAACGTCAGCGTTCT
 CACAGCCCTTCTTCGTCTTCTCCTCACCAGCTCGATCTCGACCCAAATCCAGAAATCAAGA
 TCTTACGGAAGAAGAGTATCTCGCTCTTTGTCTCCTCATGCTCGCTAAAGATCAACCGTCGC
 AAACGCGATTTTCATCAACAGTCGCAATCGTTAACGCGCGCCGAGAAATCAAGAACCTTCCG
 TACAAGTGTAACGTCTGTGAAAAGCGTTTCTTCTATCAGGCTTTAGGCGGTCACAAAGC
 AAGTCACCGAATCAAACCAACCGTAATCTCAACAACCGCGATGATTCAACAGCTCCGA

FIGURE 3 (continued)

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CCATCTCCATCGTCGCCGGAGAAAAACATCCGATTGCTGCCTCCGGAAAGATCCACGAGTGT
TCAATCTGTCATAAAGTGTTCGACGGGTCAAGCTTTAGGCGGTCACAAACGTTGTCACTA
CGAAGGCAACCTCGGCGGCGGAGGAGGAGGAGGAAGCAAATCAATCAGTCACAGTGGAAGCG
TGTCGAGCACGGTATCGGAAGAAAGGAGCCACCGTGGATTTCATCGATCTAAACCTACCGGCG
TTACCTGAACTCAGCCTTCATCACAATCCAATCGTCGACGAAGAGATCTTGAGTCCGTTGAC
CGGTAAAAAACCGCTTTTGTGACCGATCAGACCAAGTCATCAAGAAAGAAGATTTATCTT
TAAAAATCTAATACTCGACTATTAATTCTTGTGTGATTTTTTTCGTTACAACCATAGTTTCA
TTTTCATTTTTTTAGTTACAAATTTTAATTGTTCTGATTTGGATTGAATATTGGTATATTG
TTAGGGGTTGATAC

SEQ ID NO 27: Translation of gi_18402298_ref_NM_112848.1
MALEAMNTPPTSSFTRIETKEDLMNDAVFIEPWLKRKRKRQRSHSPSSSSSSPPRSRPSQN
QDLTEEEYLALCLLMLAKDQPSQTRFHQSQSLTPPPESKNLPYKCNVCEKAFPSYQALGGH
KASHRIKPPTVISTTADDSTAPTISIVAGEKHPIAASGKIHECSIHKVFPTGQALGGHKKRC
HYEGNLGGGGGGGSKSISHSGSVSSTVSEERSHRGFIDLNLPALPELSLHHNPIVIDEEILSP
LTGKKPLLLTDHDQVIKKEDLSLKI

SEQ ID NO 28: gi_30680473_ref_NM_120516.3_mRNA
AAATCAAATCTTTTCATTTACAATTATCTTTCTCTCAATTTAGAACTTAGTAGCTAGTCTT
CAAGATAATGGCACTTGAACTCTTACTTCTCCAAGATTATCTTCTCCGATGCCGACTCTGT
TTCAAGATTCAGCACTAGGGTTTCATGGAAGCAAAGGCAAACGATCTAAGCGATCAAGATCT
GAATTCGACCGTCAGAGTCTCACGGAGGATGAATATATCGCTTTATGTCTCATGCTTCTTGC
TCGCGACGGAGATAGAAACCGTGACCTTGACCTGCCTTCTTCTTCGTCTTCACCTCCTCTGC
TTCTCTCTCTTCTACTCCGATCTACAAGTGAGCGTCTGTGACAAGGCGTTTTTCGTCTTAC
CAGGCTCTTGGTGGACACAAGGCAAGTCACCGGAAAAGCTTTTCGCTTACTCAATCTGCCGG
AGGAGATGAGCTGTGACATCGTCGGCGATAACCACGTCTGGTATATCCGGTGGCGGGGGAG
GAAGTGTGAAGTCGCACGTTTGCTCTATCTGTCATAAATCGTTCGCCACCGGTCAAGCTCTC
GGCGGCCACAAACGGTGCCACTACGAAGGAAAGAACGGAGGCGGTGTGAGTAGTAGCGTGTG
GAATCTGAAGATGTGGGGTCTACAAGCCACGTCAGCAGTGGCCACCGTGGGTTTGACCTCA
ACATACCGCCGATACCGGAATTCTCGATGGTCAACGGAGACGAAGAGGTGATGAGTCTTATG
CCGGCGAAGAAACTCCGGTTTGACTTCCCGGAGAAACCCTAAACATAAACCTAGGAAAAACT
TTACAGAATTCATTTTATAGGAAATTGTTTACTGTATATACAAATATCGATTTTGATTGAT
GTTCTTCTTCACTGAAAAATTATGATCTTTGTTGTATAATTGATGTTTCTGAAAAAGATAT
AACTTTTTATTGTTTCACACGTATCAAAATTTGCTTGGATACATCA

SEQ ID NO 29: Translation of gi_30680473_ref_NM_120516.3
MALETLTSPRLSSPMPTLFQDSALGFHSGKGRSKRSRSEFDRQSLTEDEYIALCLMLLARD
GDRNRDLDPSSSSSPPLLPPLPTPIYKCSVCDKAFSSYQALGGHKASHRKSESLTQSAGGD
ELSTSSAITTSGISGGGGSVKSHVCSICHKSFATGQALGGHKRCHYEGKNGGGVSSSVSNS
EDVGSTSHVSSGHRGFDLNIPIPEFSMVNGDEEVMSMPAKKLRFDFPEKP

FIGURE 3 (continued)

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SEQ ID NO 30: gi_30693252_ref_NM_114853.2_mRNA

ATGGCTCTCGACACTCTCAATTCTCCACCTCCACCACCACAACCACCGCTCCTCCTCCTTT
CCTCCGTTGCTTCGACGAAACCGAGCCCGAAAACCTCGAATCATGGACCAAAAAGAAAACGTA
CAAAACGTCACCGTATAGATCAACCAACCCCTCCTCCTTCTGAAGAAGAGTATCTCGCTCTT
TGCCTCCTTATGCTCGCTCGTGGCTCCTCCGATCATCACTCTCCACCGTCGGATCATCACTC
TCTTTCTCCACTGTCCGATCATCAGAAAGATTACAAGTGTTCGCTCTGTGGCAAATCTTTCC
CGTCTTACCAAGCGTTAGGTGGACACAAAACAAGTCACCGGAAACCGGTTAGTGTGATGTT
AATAATAGTAACGGAACCGTTACTAATAACGGAAATATTAGTAACGGTTTAGTTGGTCAAAG
TGGGAAGACTCATAACTGCTCTATATGTTTTAAGTCGTTTCCCTCTGGTCAAGCATTGGGTG
GTCACAAACGTTGTCACTATGATGGTGGTAACGGTAACAGTAACGGTGACAATAGCCACAAG
TTTGACCTAAATTTACCGGCTGATCAAGTTAGTGATGAGACAATTGGAAAAAGTCAACTCTC
CGGTGAAGAAACAAAGTCGGTGTTGTGATTATTATTTTTTACCGATCGGGATTAGCTAG
TGGTTGATCATTAGCTGAGTCTGTAATGAAAATGAT

SEQ ID NO 31: Translation of gi_30693252_ref_NM_114853.2

MALDTLNSPTSTTTTTAPPFRLRCLDETEPENLESWTKRKRTKRHRIDQPNPPSEEEYLAL
CLIMLARGSSDHHSPPSDHHSLSPLSDHQDKDYKCSVCCKSFPSYQALGGHKTSHRKPVSVDV
NNSNGTVTNNGNISNGLVGQSGKTHNCISICFKSFPSGQALGGHKRCHYDGGNGNSNGDNSHK
FDLNLPAQVSDETIGKSQLSGEETKSVL

SEQ ID NO 32: gi_30694224_ref_NM_123683.2_mRNA

AAATTTTCTATAGCAATGGCGCTTGAAGCTCTTAATTCACCAAGATTGGTCGAGGATCCCTT
AAGATTCAATGGCGTTGAGCAGTGGACCAATGTAAGAAACGATCCAAACGTTTCGAGATCTG
ATCTTCATCATAACCACCGTCTCACTGAGGAAGAGTATCTAGCTTTCTGTCTCATGCTTCTT
GCTCGGGATGGCGGCGATCTTGACTCTGTGACGGTTGCGGAGAAGCCGAGTTATAAGTGTGG
CGTTTGTTACAAGACGTTTTCGTCTTACCAAGCTCTCGGCGGTCATAAAGCGAGCCACCGGA
GCTTATACGGTGGTGGAGAGAATGATAAATCGACACCATCCACCGCCGTGAAATCTCACGTT
TGTTGCGTTTTCGCGGAAATCTTTCGCCACCGGTCAAGCTCTCGGCGGCCACAAGCGGTGCCA
CTACGATGGTGGCGTTTCGAACTCGGAAGGTGTGGGGTCTACTAGCCACGTCAGCAGTAGTA
GCCACCGTGGATTGACCTTAATATTATACCGGTGCAGGGATTTTCGCCGGACGACGAAAGTG
ATGAGTCCGATGGCGACTAAGAAGCCTCGCCTGAAGTAAGTCTTTGTTGAAGACCTGGAAGT
TTATCAAATGTAAATATCAAATTTCAATTTCAAGGAACAGTTTGTGATTCTATTACCAAT
ACACAATACGATTCAATTCC

SEQ ID NO 33: Translation of gi_30694224_ref_NM_123683.2

MALEALNSPRLVEDPLRFNGVEQWTKCKKRSKRSRSDLHHNHRLTEEEYLAFCLIMLLARDGG
DLDSVTVAEKPSYKCGVCYKTFSSYQALGGHKASHRSLYGGGENDKSTPSTAVKSHVCSVCG
KSFATGQALGGHKRCHYDGGVSNSEGVGSTSHVSSSSHRGFDLNIIPVQGFSPDDEVMSMA
TKKPRLK

FIGURE 3 (continued)

FIGURE 3 (continued)

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TTGTACAGAGCAAGCGAGTGATACATAGCCATACATACAGTCATACAGATATAGGTCTAGCT
 CTTCTTGTTCTTTGTAACTGGAACGTACCTGTATCTTTTACACTTTGTTCTTTGACA
 GTCATATATTGTAGACCAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO 37: gi_12698882_ref_AAK01713.1, 2xC2H2, *Oryza sativa*
 MSSASSMEALHAAVLKEEQQHEVEEATVVTSSSATSSEEGGHLPGWAKRKRSRRORSEEE
 NLALCLMLLARGGHRVQAPPPLSASAPPPAGAEFKCSVCCKSFSSYQALGGHKTSRHKLP
 TPPAAPVLAPAPVAALLPSAEDREPATSSSTAASDGMTNRVHRCISICQKEFPTGQALGGHKKR
 KHYDGGVGAGAGASSTELLATVAASEVGSNGQSATRAFDLNLPAVPEFVWRPCSKGKKM
 WDEEEVQSPLAFKKPRLTA

SEQ ID NO 38: gi_6434215_ref_AL132966.1_region 116202 ...
 116729, 2xC2H2, *Arabidopsis thaliana*

ATGAAGAGAGACCGGTCCGATTACGAAGAATCCATGAAGCATATAGACATAGTAGAAAGTCT
 AATGATGTTATCTCGAAGTTTCGTGGTCAAACAAATCGATGTAAAGCAATCTACCGGAAGCA
 AAACGAACCATAATAACCACTTCGAATGCAAAACGTGTAACCGGAAATTTGATTCTTCCAA
 GCTCTTGGAGGTCATAGAGCTAGCCACAAGAAACCTAAGCTGATCGTTGACCAAGAACAGGT
 GAAGCATCGTAACAAAGAGAATGATATGCATAAGTGTACAATTTGCGATCAAATGTTTGGGA
 CCGGTCAAGCTCTAGGCGGTACATGAGAAAGCATAGGACGAGCATGATAACCGAGCAATCG
 ATTGTCCCTTCTGTGGTTTATTCCAGACCGTTTTTAATCGTTGCAGTAGCAGCAAGGAGAT
 CTTGGACTTAAATCTAATCCATTGGAAAATGATCTTGTGTTAATCTTTGGGAAGAATTGG
 TTCCACAAATTGATTTGAAGTTTGTGAATTAG

SEQ ID NO 39: gi_6729511_ref_CAB67667.1, 2xC2H2, *Arabidopsis thaliana*
 MKRDRSDYEESMKHIDIVESLMMLSRSEFVVKQIDVKQSTGSKTNHNNHFECKTCNRKFDSFQ
 ALGGHRASHKKPKLIVDQEQVKHRNKENDMHKCTICDQMFGTGQALGGHMRKHRTSMITEQS
 IVPSVVYSRPVFNRCSSESKEILDNLTPLENDLVLFCKNLVLPQIDLFVN

SEQ ID NO 40: ref_CA279020, 2xC2H2, sugar cane
 CCTAACAGCATTAGCTTTTCAAATCAACAAGCCTCGCCGTGACCGATCGATGGCCATCACC
 CACGACGACTACGTCTCCCTCTGCCTCATGGCGCTCGCAGCCGCGGGAGGCGGAGGCCAAGC
 TGGTTTAAACAACGCAGTACGCTCTGAACACGGCTGCCTGGACAGCGACGGCGCAAGAGTCCG
 AGCTCCGCTTCCGGTGCTCCGTCTGTGGCAAGGCCTTCGCGTCGCACCAGGCACTGGGCGGG
 CACAAGGCCAGCCACCGCAAGCCGACGCTCGTACAGGCACATGCGTCGTCTCAGCCGGAGG
 CGCGGCGTCGTCTCGGTAAACAATGACCTCGGCCGTAGGCAGCAGTGGGCAGGGGAGGCACA
 GGTGCACGGTGTGCCATCGGAGCTTCGCGACGGNGCAAGCGCTCGGCGGGCACAAAGAGGTGC
 CATTACTGGGACGGGCTCTCGGTGTGCTCACCAGCGTCGTCTCGGCGCCATCGGGGTCCGGGTC
 GACCGTCAAGGGCTTTGATCTGAATTTGGTGCCGGTGCCGCCCCGCGATGGCCGCCAACGCTG
 CGACAAGGTGGGGAGAGGAGAANNAAGTCANAAACCTTGGCGGTCAAGAGAAGGCGGCTTG
 CCGGTCCGTCTTGGACCCTAATTTAACGATTTAGAAGTCCTTTTTTTAATAATTAAGAGTTC
 TTTTGAAGAAGGTTGTAAAGTTTTCGAACCTTGTCTTTTAAATGGATTGGGTGCTGGCGAA
 ATTTTAAACTGGATTAAATTTGCGCTCACTCTTTTTTTTATTTTTTACACCTTTTTTTT
 TTTTGAAGAAGA

FIGURE 3 (continued)

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SEQ ID NO 41: gi_18027011_ref_AF254447.1, 2xC2H2, *Arabidopsis thaliana*
 TTCCTTCTCTCTCTCTCTCTCTCTTACCATTGACTGATCCTTATTCCAATTTCTTCACA
 GACTGGTTCAAGTCTAATCCTTTTACCATTACCCTAATTCCTCCACTAACCCTCTCCTCA
 TCCTCTTCTCTCTGTTACTCCTCCCTCTTCTCTTCTTCTTCTTCCCTCAATCCGGAGACCTCC
 GCCGTCCACCGCCGCCACCAACTCCTCCTCTCTCTCTCTCTCCGAGAAGCCCTCCCTCTC
 CTCAGCCTCAGCCCCGCCAACAAACAACAAGACCACCATCACAACCATGACCACCTTATTCA
 AGAACCACCTTCAACCTCCATGGATGTCGACTACGATCATCACCATCAAGATGATCATCATA
 ACCTCGATGACGATGACCATGACGTCACCGTTGCTCTTCACATAGGCCTTCCAAGCCCTAGT
 GCTCAAGAGATGGCCTCTTTGCTCATGATGTCTTCTTCTTCTTCTTCTCGAGGACCACTCA
 TCATCACGAGGACATGAATCACAAGAAAGACCTCGACCATGAGTACAGCCACGGAGCTGTCTG
 GAGGAGGAGAAGATGACGATGAAGATTGAGTCGGCGGAGACGGCGGCTGTAGAATCAGCAGA
 CTCACAAGGGTCAATATTGGATCCCTACACCTTCTCAGATTCTCATTTGGCCCTACTCAGTT
 CTCATGTCCTGTTTGTCTTCAAAACCTTCAACAGATAACAATAACATGCAGATGCATATGTGGG
 GACATGGATCACAATACAGAAAAGGACCTGAATCTCTAAGGGGAACACAACCAAGGAATG
 CTAAGGCTTCCGTGCTATTGCTGCGCCCCAGGCTGTGCAACAACATTGACCATCCAAGGGC
 AAAGCCTCTCAAAGACTTCAGAACCCTTCAAACACATTACAAGAGAAAACATGGGATCAAAC
 CTTTCATGTGTAGGAAATGTGGAAAGGCTTTTCGCGAGTCCGAGGGGACTGGAGAACACATGAG
 AAGAATTGTGGCAAACCTTTGGTATTGCATATGTGGATCTGATTTCAAGCACAAAGAGATCTCT
 CAAAGATCACATCAAGGCTTTTGGGAATGGTCATGGAGCCTACGGAATTGATGGGTTTGATG
 AAGAAGATGAGCCTGCCTCTGAGGTAGAACAATTAGACAATGATCATGAGTCAATGCAGTCT
 AAATAGCTTATATATATTACTATAAGTACTAAGTAATTCGGTATATATATTAATTATAAGAA
 ACCTAAATCTATGGACCAAGTTTTGATGGAGGTAGGGCTTTTCAAACCTAAAAGCTATATCAT
 CTAATTGATCATAGGAAAAAATGAATCAAGAGCACTTGGAAAAATTTAAATTGTATCTTTA
 GCTTCCTAGTTAAATTTATTGCAAGACAATGTAGCAGTCTAACCAATGAGGTTCCCAACGGT
 TTATTTCTATTTGTATATTATTTGTTCATTAGCTTCACCTTTCGTTAATTGAAGGACATAA
 CTTATAAATGTTTAAATTATG

SEQ ID NO 42: At3g57670, 2xC2H2, *Arabidopsis thaliana*
 MTDPSYNFFTDWFKSNPFHHYPNSSTNPSPHLPVTPPSSFFFFPQSGDLRRPPPPPTPPP
 SPPLREALPLLSLSPANKQQDHHHNDHLIQEPPSTSMVDVYDHHHQDDHHNLDDDDHDVTV
 ALHIGLPSPSAQEMASLLMSSSSSSSRTHHHEDMNHKKDLDEYSHGAVGGGEDDDDEDSV
 GGDGGCRISRLNKQYWIPTPSQILIGPTQFSCPVCFKTFNRYNNMQMHMWGHGSQYRKGP
 SLRGTOPTGMLRLPCYCCAPGCRNNIDHPRAKPLKDFRTLQTHYKRKHGKIPFMCRCGKAF
 AVRGDWRTHKNCGLWYICGSDFKHKRSLKDHIAFGNGHGAYGIDGFDEEDEFASEVEQ
 LDNDHESMQSK

SEQ ID NO 43: gi_18676370_ref_AJ311810.2, 2xC2H2, *Arabidopsis thaliana*
 ATCTACACACTACTACTCACATCTCATCTCTCTCTAGCACATACCCATCAAACCATATAGAT
 ACGGTGCTTTTATTCTTGATCTTCTTCTTCTTTGTCTTCTCCTCAGAGTCATGTCTAAT
 CCAGCTTGTTGGAATCTCTTCAACAATGGATGTGACCATAATAGCTTCAACTATTCCACTTC
 TCTCTCTTACATTTACAACCTCTCACGGTAGCTACTATTACTCTAATACCACAAACCTAATT
 ACATTAATCATACTCATACCACTTCCACTTCCCCTAACTCACCCCCACTAAGAGAAGCTCTT
 CCTCTTCTTAGCTTAAGCCCCATAAGGCACCAAGAACAACAAGACCAACACTATTTTCATGGA
 CACCCATCAAATTAGCTCTTCAAACCTTCTTGATGATCCTCTTGTGACTGTGGATCTTCATC
 TAGGGTTACCAAACCTACGGTGTTGGTGAGAGCATTAGGAGCAATATTGCTCCTGATGCAACC

FIGURE 3 (continued)

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ACGGACGAGCAAGATCAAGATCATGACCGAGGAGTAGAAGTCACAGTTGAGTCCCACCTTGA
 TGATGATGATGATCATCATGGAGATCTACACAGAGGTCATCACTATTGGATTCCCTACTCCTT
 CTCAGATTTTGGATTGGTCCTACACAGTTCACTTGTCTCTTTGCTTCAAGACATTC AACAGA
 TACAACAACATGCAGATGCACATGTGGGGACACGGCTCACAAACAGAAAGGGACCAGAATC
 CTTAAGAGGAACCCAACCAACAGGAATGCTAAGACTACCATGTTTCTGCTGTGCACCCGGTT
 GCAAGAACAACATTGACCACCCACGAGCCAAGCCTCTTAAGGACTTTCGAACCCCTCCAAACA
 CATTACAAACGTAAACATGGGTCTAAACCATTGCTTGTCTGATGTGTGGTAAGGCCTTTGC
 AGTGAAAGGAGATTGGAGAACGCATGAGAAGAATTGTGGAAAGCTTTGGTATTGCTCTTGTG
 GCTCGGATTTTAAGCACAAGAGGTCGCTTAAGGACCATGTCAAGGCCTTTGGAAATGGTCAT
 GTTCCTTGTGGGATTGATAGTTTGGAGGAGATCATGAGGACTACTATGATGCTGCTTCTGA
 TATCGAGCAATAAGATGATAGCAACAACAATGAGTGTTAATTAGGGGTTTTGTTTATTTTTC
 CTCTCATGCATTAGTTGATTGTATGCACGTGTTCTTTAGTTTTGTTCTTCGGATCTTTGTTT
 TATTTTGTGTTTGAGCTGTTTTTTTTTTAATTACTAAGAAGTTAATTATCATCTAAAGATTTT
 C

SEQ ID NO 44: gi_18376498_ref_CAC86167.1, 2xC2H2, Arabidopsis
 thaliana
 MSNPACSNLFNNGCDHNSFNSTSLSYIYNHSGSYYSNTTNPYINHTHTTSTSPNSPPLR
 EALPLLSLSPIRHOEQDQHYFMDTHQISSNFDLDDPLVTVDLHLGLPNYGVGESIRSNIAP
 DATTEQDQDHRGVEVTVESHLDDDDHHDHDLHRGHHYWIPTPSQILIGPTQFTCPLCFKT
 FNRYNNMQMHMWHGHSQYRKGPESLRGTQPTGMLRLPCFCCAPGCKNNIDHPRAKPLKDFRT
 LQTHYKRKHGSKPFACRMCGKAFVKGDWRTHEKNCGLWYCSCGSDFKHKRSLKDHVKAFF
 NGHVPCGIDSFGGDHEDYDAASDIEQ

SEQ ID NO 45: gi_7798991_ref_AL355775.1_region 7957 ... 8451,
 2xC2H2, Arabidopsis thaliana
 ATGGTTGCGAGAAGTGAGGAAGTTGAGATAGTGGAAGATACGGCGGCGAAATGTTTGATGTT
 GTTATCAAGAGTTGGAGAATGCGGCGGAGGAGAGAGAAACGAGTTTCCGATGCAAGACTT
 GTCTTAAAGAGTTTTCGTCGTTTCAAGCTTTGGGAGGTCATCGTGCAAGCCACAAGAACTC
 ATTAACAGTAGCGATCCATCACTTCTTGGATCCTTGTCTAACAAGAAAACATAAACGGCGAC
 GTCTCATCCTTGTCCGATATGTGGCGTGGAGTTTCCGATGGGGCAAGCTCTTGGTGGTCACA
 TGAGGAGACATAGGAGTGAGAAAGCCTCACCAGGCACGTTGGTTACACGTTCTTTTTTACCG
 GAGACGACGACGGTGACGACTTTGAAAAAATCGAGTAGTGGAAGAGAGTGGCTTGTTTGA
 CTTAGATTCGATGGAGAGTTTAGTCAATTGGAAGTTGGAGTTGGGAAGAAGATTCTTGA

SEQ ID NO 46: gi_7798996_ref_CAB90935.1, 2xC2H2, Arabidopsis
 thaliana
 MVARSEEVEIVEDTAAKCLMLLSRVGECGGGGEKRVFRCKTCLKEFSSFQALGGHRASHKKL
 INSSDPSLLGSLSNKKTKTATSHPCPICGVEFPMGQALGGHMRHRSEKASPGTLVTRSLP
 ETTTVTTLKKSSSGKRVACLDLDSMESLVNWKLELGRITIS

SEQ ID NO 47: gi_9755794_ref_AL391143.1_region 31730 ...
 32938, 2xC2H2, Arabidopsis thaliana
 ATGGAAGACGAACATCAAGATCTCCATAAACCCATTAATGGAGCTTTGCGAGACCTCAAGAT
 TACTCGGTACAGAAAGAAACAGAAAAGTCTACGAACCAACAGCAAGATGTTACTTGTACT
 ATGGTCTAAGGGAAAACCTCGAAGAAGAAAACCCAGGAATCTCCGGAACCAATGAAGAAGATT
 TTGTTTCGATGCGAAGAATGTGGAAAAGGGTTTCGGTACGAGAAATATTTTAAGAATCATCG

FIGURE 3 (continued)

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CTCGATGATGCATTTATCGCCGAACGAGAAGGTTTGTGAAGAATCCTTGATGACTCTGTCTC
GTAGCCTTGGGTTTGTGAAGAAGAAGAAAAGATCAAGACTTGGTAGGTCTGGGAAGACTTTA
TTTACTACGTTTCTTGAACCGAGTTCTATTTTTGATGCGACTGATGAAGAATTAGAAGTGGC
GGATTGTTTGATTCTATTGTCTAAGAGTGTCTCCCAAGGTTGTAGACGAATTGAAAAGTCTTT
CTGAGGCAGTACGTGTTACTCCTGAAACACCTGAAAGTAGCTATGATTGGGTTGTTGCTC
AACAAGAAACCGAGAAAAGGTGGTGAATTGGAATCTGGGGTTTTAAGTAATGAGCAAAGACT
TATGGAAGAAGGGTTTAGTAGTTATGGAACATCGAAAGAACCAGCTAGCTTCTTGAGAGACG
AAAACAGATTGGATCAGCAGAAACGGAGAAAAGATGGTGAATTTGAATCCGGACTTTTGAGT
AATGAGCAAAGACTGCTAGAAGAAGAGATTACTACTCCTGTGACATTCAAAGGTCCAGCGAG
TTCCTTGAGACACAAGTGTGCTTTGGATCGAAATGGAGGTGAATTTGGTCTGAGTTTTTGA
GTAATGAGCAAACACTGATGGAAGAAACATGGAAAGAACCAGTGAGTTTCTTAGAAGATAAG
CATGAATTTGATCAGCGGAAAATGCGAGAAGCTGGCGACTTTGAATCTAGGTTTACAGAAT
TGAGCTTGGAGTAGGAGCTATGGAGTGTACTTCTTCAGATACTGATATGCTCACGCAATCTG
ATAAGAAGAACGTTGAGCATCGATGCAGGTTGTGCAACAAGATATTCTCGTCTTATCAAGCT
CTAGGGGGTTCATCAGACGTTTTCATCGGATGAGCAAATGTAAGAACAAGAAGAATGGCATAGA
GGAATCAGTTGAACCCAGGATGACTCTGTGA

SEQ ID NO 48: gi_9755803_ref_CAC01747.1, 2xC2H2, Arabidopsis
thaliana

MEDEHQDLHKPINGALRDLKITRSQKETEKSTNQQQDVTCYYGLRENSKKKTQESPEPMKKI
LFRCEECGKGFREYKYFKNHRSMHLS PNEKVCEESLMTLSRSLGFVKKKKRSRLGRSGKTL
FTTFLEPSSIFDATDEELEVADCLILLSKSPKVVDLKSLSLSEAVRVT PETPESSYDLGCLL
NKKPRKGGELESGVLSNEQRLMEEGFSSYGT SKEPASFLRDENRLDQQRKRDGEFESGLLS
NEQRLLEEEITTPVTFKGPASSLRHKCALDRNGGEFGPEFLSNEQTLMEETWKEPVSFLEDK
HEFDQRKMREAGDFESRFYRIELGVGAMECTSSDT DMLTQSDKKNVEHRCRLCNKIFSSYQA
LGGHQTFHRMSKCKNKNKNGIEESVEPRMTL

SEQ ID NO 49: gi_1418338_ref_X98678.1, 2xC2H2, Arabidopsis
thaliana

CTTGTTAGTTCACTCCACATAATAAACACCAAAGATTTCAATTCTCTCTCCATAATTTTCGAA
GTTTCTTGAATTGGGTTTGTCTTCTGATTTGTTTCTTGAATTGGGTTTGGTCTTCTTTTCT
TACTATATTTGGATATGATGATGGGTCAAGATGAGGTTGGGAGTGATCAGACGCAAATCATA
AAAGGGAAACGTACGAAGCGACAAAGATCGTCTTCGACGTTTGTGGTGACGGCGGCGACAAC
AGTGACTTCAACAAGTTCATCGGCCGGTGGAAGTGGAGGAGAAAGAGCTGTTTCAGATGAAT
ACAACTCGGCGGTTTCGTCTCCGGTGACTACTGATTGTACGCAAGAAGAAGACATGGCG
ATTTGTCTCATCATGTTAGCTCGTGGGACAGTTCTTCCATCGCCGGATCTCAAGAACTCGAG
AAAAATTCATCAGAAGATTTTCGTGGGAGAAATTCAGTTTCTATGTGTACGAGTGTAACCGT
GTAACCGGACGTTTTTCGTGTTCCAAGCACTTGGTGGACACAGAGCGAGCCACAAGAAGCCG
AGGACGTCGACTGAGGAAAAGACTAGACTACCCCTGACGCAACCCAAGTCTAGTGCATCAGA
AGAAGGGCAAAACAGTCATTTCAAAGTTTCCGGCTCAGCCCTAGCTTCACAGGCAAGTAACA
TCATCAACAAGGCAAACAAAGTACACGAGTGTTCATCTGCGGTTCTGAGTTCACTTCCGGG
CAAGCTCTCGGTGGTCACATGAGGCGGCACAGGACAGCCGTAACCACGATTAGCCCCGTTGC
AGCCACCGCAGAAGTAAGCAGAAACAGTACAGAGGAAGAGATTGAGATCAATATAGGCCGTT
CGATGGAACACGAGAGGAAATATCTACCGTTGGATCTTAATCTACCAGCACCAGGAGATGAT
CTAAGAGAGTCCAAGTTTCAAGGGATAGTATTCTCAGCAACACCAGCGTTAATAGATTGTCA
TTACTAGTTGTTTTTTTTTACTACATAATATGATGAAATATTTGTGAATTCTTCTTACTTACT
ACTATATTGTTGATCAAAAAAAAAAAAAAAAAA

FIGURE 3 (continued)

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SEQ ID NO 50: gi_1418339_ref_CAA67236.1, 2xC2H2, Arabidopsis
thaliana
MGQDEVGSDQTQIIKGKRTKRQRSSSTFVVTAATTVTSTSSSAGGSGGERAVSDEYN SAVSS
PVTTDCTQEEEDMAICLIMLARGTVLPSPDLKNSRKIHQKISSENSSFYVYECKTCNRTFSS
FQALGGHRASHKKPRTSTEEKTRLPLTPKSSASEEGONSHFKVSGSALASQASNIINKANK
VHECSICGSEFTSGQALGGHMRHRHTAVTTISPVAATAEVSRNSTEEIEINIGRSMEQQRK
YLPLDLNLPAPGDDLRESKFQGIVFSATPALIDCHY

FIGURE 3 (continued)

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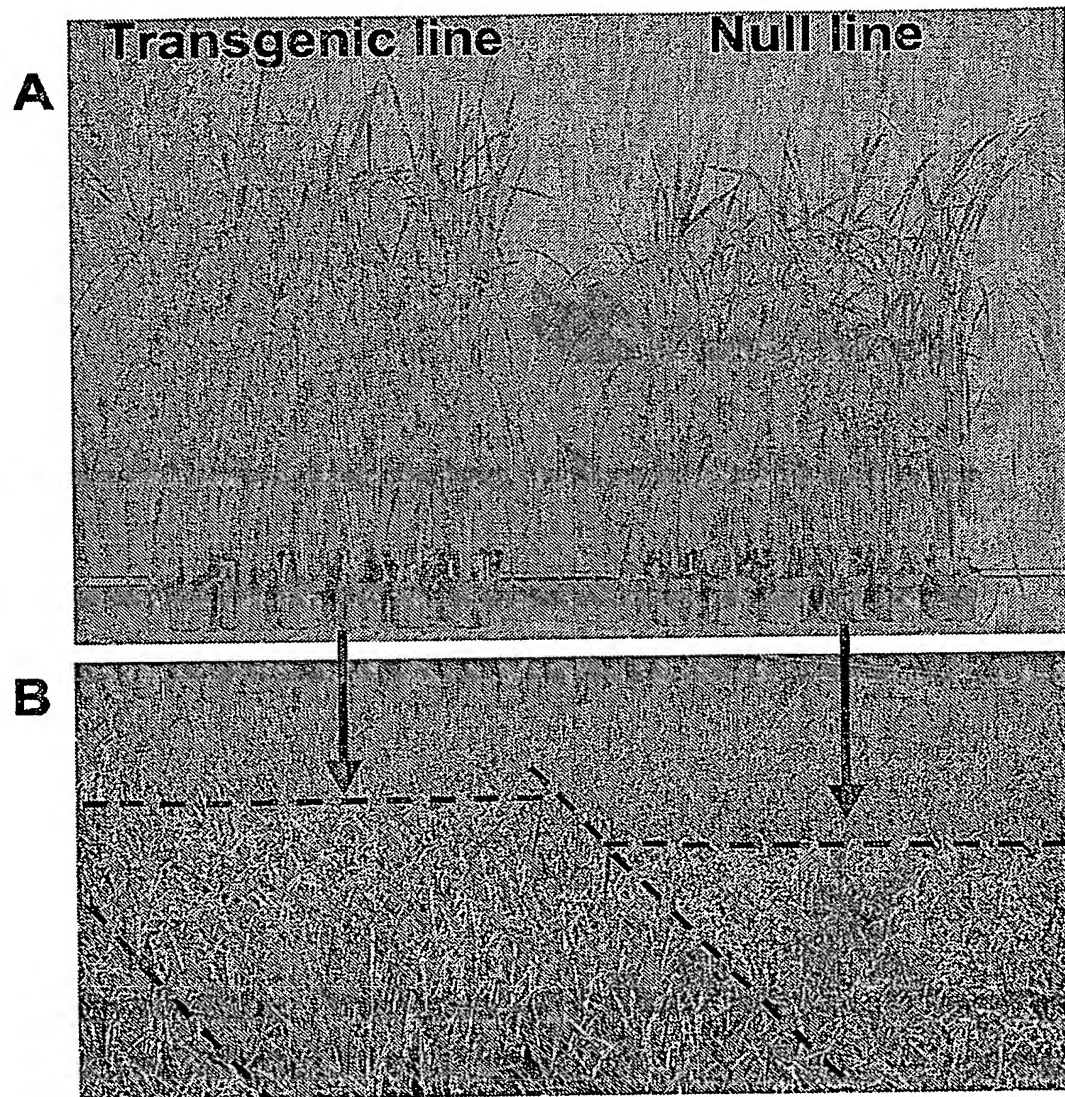


FIGURE 4

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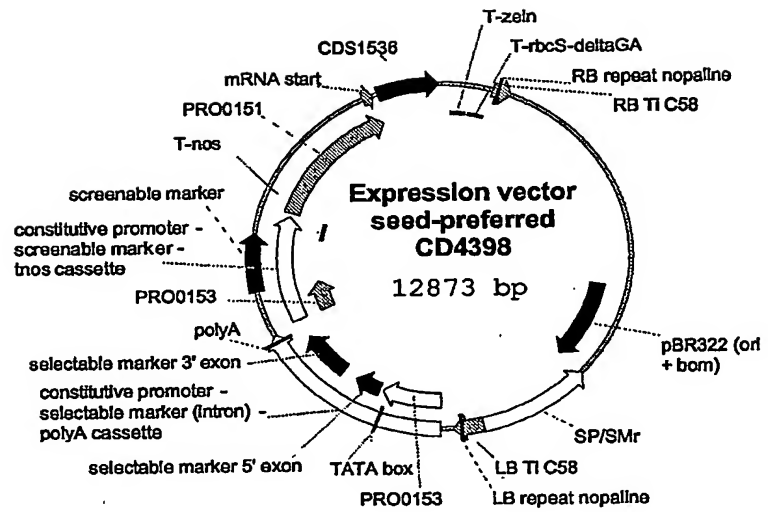


FIGURE 5